

## CLAIMS:

1. A CATV system comprising at least one primary station (2) and a plurality of secondary stations (4), the primary station (2) and the secondary stations (4) being interconnected via a CATV network (6), the CATV network (6) comprising a plurality of nodes (8, 10, 12, 14) wherein at least part of the nodes (8, 10, 12, 14) are redirection nodes (30) comprising redirection means (32) for redirecting data signals, characterized in that the data signals are downstream data signals.

2. A CATV system according to Claim 1, characterized in that the redirection means (32) are also comprised in the primary station (2).

3. A CATV system according to Claim 1 or 2, characterized in that the CATV network (6) comprises a HFC network.

4. A CATV system according to any one of the preceding Claims, characterized in that the redirection nodes (30) receive the downstream data signals from at least one optical fiber.

5. A CATV system according to any one of the preceding Claims, characterized in that the CATV network (6) has a hierarchical tree-like structure with several hierarchical levels and several branches, wherein the CATV network comprises horizontal interconnections (20) between redirection nodes (30) which are part of a same hierarchical level and/or diagonal interconnections (22) between redirection nodes (30) which are part of different hierarchical levels and of different branches.

6. A CATV system according to Claim 5, characterized in that the interconnections (20, 22) comprise wireless interconnections.

7. A CATV system according to Claim 6, characterized in that the wireless interconnections comprise wireless RF interconnections.

8. A CATV system according to Claim 6, characterized in that the wireless interconnections comprise wireless IR interconnections.

- 5 9. A CATV network (6) comprising a plurality of nodes (8, 10, 12, 14), wherein at least part of the nodes (8, 10, 12, 14) are redirection nodes (30) comprising redirection means (32) for redirecting data signals, characterized in that the data signals are downstream data signals.